

1901

Texas
New Mexico



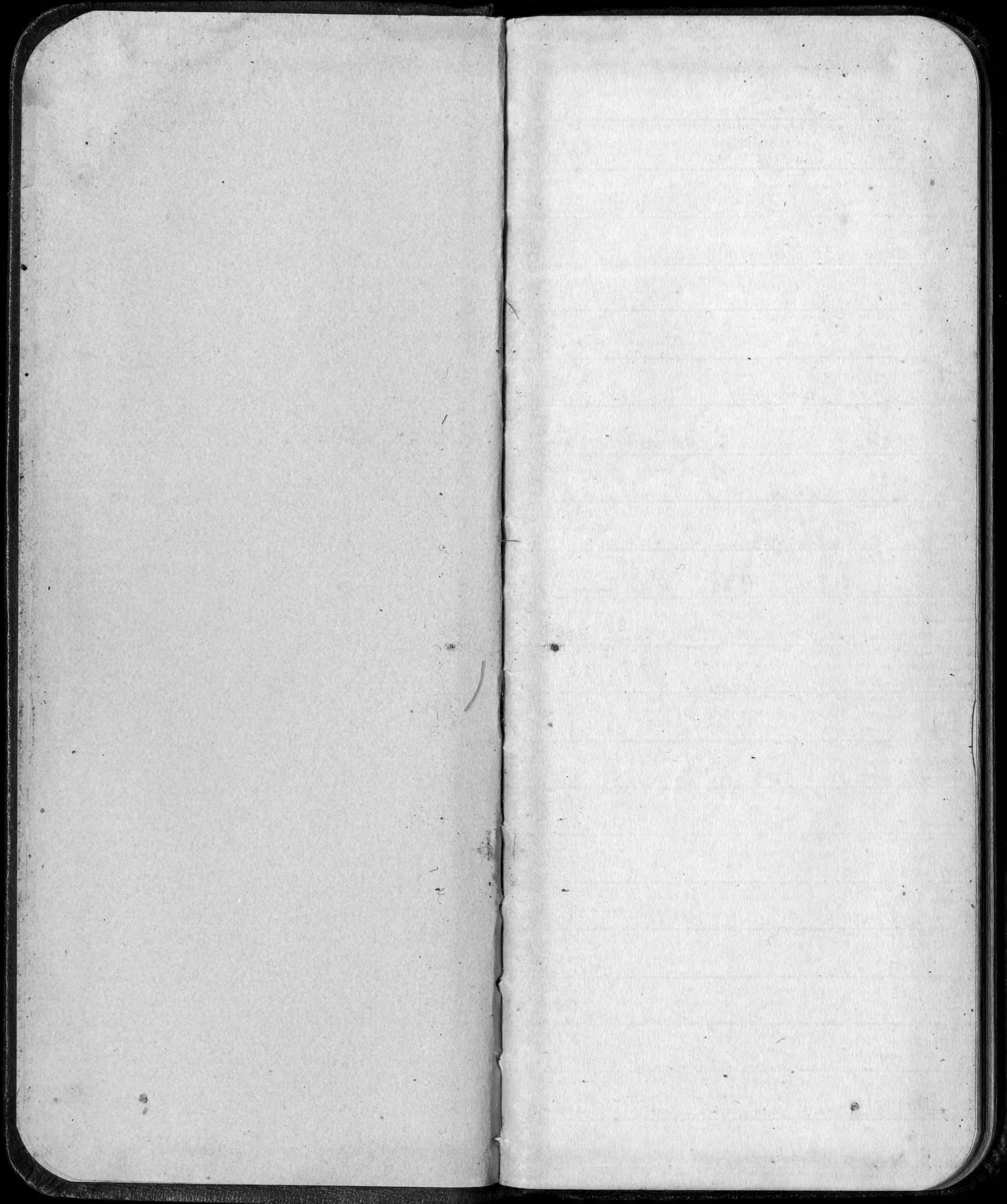
Vernon Bailey

Dept. of Agl.
Washington, D.C.

1901.

House No. 1834.

Kalamazoo Ave.



May 2 1901

Washington — 3.45 PM

B & O for Marathon, Tex.

Cottonwoods & Eucalyptus green
oak leaves small, Apple
flowers out. Warm.

Cumbrland, dark.

May 3

Cincinnati 8-9 AM

Vegetation about
Washington, trees
green. Redbud, plum &
fruit trees in flower

St. Louis — 7 P.M. & 8:15

From M. St. L. & S.

May 4

Little Rock 7 AM

Taxodium along streams

Liquidambar

Quercus phellos?

Magnolia — in yards

Pinus taeda;

Cornus florida in flower

Cottonfields

Sandy soil — mostly

Ungadia

Baptisia leucoptera

Spider lily in flower

Blackberry in flower

Tradescantia "

Group hills at intervals

Malvern

Visteria

Arkadelphia

Acers & spider lilies

Gurdon

Palmetto

Asaradindonia

Zafareana — 12:30

More oaks — less pine.

Mounds larger

Young's son.

Atlanta

Country more open & rolling

Marshall

Strips of red soil

Longview

Red soil, rolling,

More open country

True lower & scrubby.

Euphorbia pilulata

at 20 mi. W. of Longview

E. edge of big prairie

2 mi. E. of

Wills Point.

a sudden change from
red soil & scrub timber
to ~~dark~~ very level &
level prairie

Strips of woods again
along bottom, some sand,
a few mesquites - 2
Milvulus forficatus near
Zurill

Mainly prairie -

black & waxy.

a mesquite thicket 3
mi. West of Zurill.

All prairie to
Dallas dark.

all prairie to Ft
Ft. Worth - beyond

May 5.

Daylight hours east of
Colorado

All smooth mesquite
plain except breaks near
Colorado R.

Mesquites, Yuccas,
Cactus, celtis.

Grass short & not much
green -

Red soil, sandstone
ledges along river

Colorado

Milvulus forficatus 2

Callipepla squamata 2 half
way between C. & Big Spr.

Sturnella com

Zenaidura abn.

Colinus 2

Otocoris big flocks

Hydrochelidon - 1

Calamospiza abn

Mimus polyglottos

Corvus cryptoleucus 1

Ardea herodias at pond

Big Springs 8 AM

open plain half way west
of Big Springs

Stanton

dwarf mesquite

Geomys hills all along

Cynomys - abn.

Midland

Dwarf mesquite plain.

No more prairie dogs.

one small P.D. colony.

Odessa

Scattered dwarf mesquite.

Red soil, no mesquite plain.

A few prairie dogs.

Dipodomys spectabilis

com. half hour west of Odessa

^{Neotoma house}
Yucca baccata like - 6-8 ft high

Larrea

com.

Koeberlinia

"

Condalia or *Zizyphus*

Amphispiza bilineata 1

Edge of Sand about 40 miles

west of Odessa

Sand hills & dunes

Movabams - right in the dunes

flat country / from sand

Barstow

Barstow

alkali, Saltgrass,
Citriplex, Larrea,
Acacia, mesquite,
green Ephedra,

Pecos City

Zoyah 1:40

to west edge of Pecos Valley,
San Martin in foothills

Kenil in the hills.

section house + station + water

Big valley basin -

Van Horn

store + water

up slope to

Allamore - section house

road to north, + S.

Eagle Flat top of mesa
just a section house

Sierra Blanca 5 P.M.

May 6 To Marathon, 5:12 A.M.

May 7 Marathon 9 A.M.
Waters all along, good grass
Thompson's corn.

Hayward

Emerson - section house

Dryden, section house, station
+ P.O. lots of water

Zojies section house
water

Samuels 2 section houses

Brown little section house

Langtry 2 P.M.

May 8 Langtry to Comstock
+ back to Dryden -

Puttinus baccharifolius

Nicotiana glauca - tobacco tree.

May 9 Dryden

Larrea

Juniperus virginiana?

Albizia

Diospyros mex.

Baccharis bigelovii

"

Prosopis juliflora

Acacia constricta

"

Mimosa

Eysenhardtia amorphoides

Condalia

Ziziphys obtusifolia

Ephedra nevadensis

Koeberlinia green -

Rhus microphylla

"

big round leaf

Dasylirion

Nolina

Yucca baccata

" rigida

Agave heteracantha

Sala pentagona

Linum texana

~~Portulaca angustifolia~~

Opuntia engelmanni, (dry point)

Cereus

Mammillaria

Echinocactus texensis

"

Lippia logstrupii

Berberis trifoliata

Guaiacum angustifolium

Opuntia leptocaulis

Microrhammus ericoides

May 9 Dryden

• <i>Corvus cryptoleucus</i>	com
• <i>Scelopaphagus</i>	"
• <i>Molothrus</i>	"
• <i>Mimus</i>	"
• <i>Chelidon</i> 1	"
• <i>Petrochelidon</i> 2	"
• <i>Progne subis</i> 4 ♂	"
• <i>Calamospiza</i>	abn.
• <i>Peucaea cassinii</i>	com
• " <i>crenata</i> ?	"
• <i>Sturnus</i>	2
• <i>Zenaidura</i>	com
• <i>Cardinalis</i>	3
• <i>Pipilo maculatus</i>	2
• <i>Cyanospiza iris</i>	1
• <i>Zotanus solitarius</i>	1
• <i>Heliodytes</i>	com
• <i>Dendroica aestiva</i>	2
• <i>Amphispiza bilineata</i>	com
• <i>Sylvania</i>	1
• <i>Parus</i>	"
• <i>Cathartes</i>	com

• <i>Buteo b. calurus</i>	com
• <i>Spizella</i>	com
• <i>Otocoris</i>	com
• <i>Chondestes</i>	com
• <i>Actitis macularia</i> 1	
• <i>Anthus</i> 3	
• <i>Pucates</i>	com.
• <i>Tyrannus verticalis</i>	1
• <i>Geothlypis macgillivrayi</i> ? 2	
• <i>Xanthocephalus</i>	5

May 10, Camp near Savelerson.

(10 mi E.) in gulch

Euphorbia secundiflora canyon
Forsteria angustifolia "
Bumelia angustifolia? "
Juglans rupestris "
Fallugia "
Ceanothus ovatus
" *pendleri*
Cercis

Opuntia engelmanni?
" *repens*?
" *leptocaulis*

Baccharis

Microrhammus ericoides

Yucca b. macrocarpa dominant

" *glauca stricta* com

" *rigida* a few

Dasyterion abn

Nolina com

Schonekeria

20 mi. Camp 10 mi. W. of Savelerson

May 10

Calipepla ^{*aguanata*} ~~*californica*~~ com

Vireo atricapillus "

Harporhynchus curvirostris? 1

Melanerpes formicivorus com

Pipilo aberti ~~*mesoleucus*~~ 2

Cardinalis com

Cyanospiza versicolor 1

Zonotrichia leucophrys com

Mimus polyglottos com

Leucæna retusa, orange heads

" *pulverulenta*, white heads.

Unguadia speciosa

Rhus microphylla

" *viridis*

Atriplex canescens

Calamospiza abn.

Chondestes com

Zenaidura com

Myiarchus cinerascens 2

Anthus com, at pond

Phalaenoptilus com

Chondestes "

Dendroica auduboni, 1 at pond.

May 11

Camp 10 mi. W. of Sanderson at pond

Pipistrellus

May 12 Camp 2 mi. E. of

Marathon, Texas

Most of morning spent in

marsh - but

of birds, none of which I

thought were new to me

than those of May 11

Open country over summit.
Cyanus begin 5 mi. E of
Marathon. 2 P.M.

• Speotyto

• Sturnella ^{hoopsii} com in

upper Sonoran zone.

• Heliodytes, com.

• Polioptila (7) 1

• Spizella breweri (7) 1

• " pallida (7) 1

• Bubo (7.)

• Pooecetes casini

• Spinus mexicanus? 2 (7)

• Sceloporus

• Molothrus

• Agelaius

• Otocoris

May 13

Marathon

4440 ft

Petrochelidon

Sayornis nigricans
sayi

Otocoris

Sturnella hoopesii

Tyrannus vociferans (7) 2

Flag Camp, 4 mi. S. 4350

Carpodacus frontalis com.

Tyrannus verticalis 1

Sayornis saya

Contopus richardsoni 2

Empidonax traillii

Garrula com.

Piranga cooperi 1/2

Aquila chrysaetos nest, yg,

3 Eggs, 1 spec. parvidens,

Lepus tex. L. arizonae,

Bones below of Rabbits, P. De,

Urocyon skull

Melospiza lincolni 1

Pipilo chlorurus

Cathartes roost in cottonwood

Zenaidura com.

Aegialitis - along creek,

Aetides macularia

Trochilus alexandri

Pipilo mesoleucus

" arcticus

Tyrannus vociferans 1

Myiarchus 1

Garrula com.

Habia vilaroeptola 1(7)

Empidonax wrighti 1

Scirpus notabilis 2

Dryobates bairdi com.

Zonotrichia leucophrys 4

Vireo belli 1

Aegialitis

Callipepla squamata

Lanius 2

Minus

Chordeiles nuxii

Geococcyx Tocks.

Contopus borealis 1

Corvus cryptoleucus, com.

... sinuatus 2

near Marathon

May 13 -

- *Populus monilifera*?
- *Salix*
- *Cephalanthus*
- *Glycerhiza lipidata*
- Fallugia*
- *Celtis occidentalis*
- *Citriplex canescens*, scarce
- *Juglans rupestris*, a few.
- *Mimosa biuncifera*
- *Mimosa borealis*?
- 336 " "
- *Hoffmannseggia*
- *Prosopis juliflora* a little.
- *Larrea* rare
- *Ziziphys* com.
- *Condalia*? scarce
- *Zippia* in washes
- *Koeberlinia* com.
- Baccharis*
- " "
- " "
- Bigelovia*

Salvia

- Fouquiera*, rare on rocks.
- *Diaspiros mex.* - long cliff
- *Berberis hypoleuca*
- *Yucca rigida* a few in flower
- " *stricta* com. no flowers
- " *macrocarpa*, abn. in fruit
- "
- *Dasyleria* rare
- *Nolina* scarce
- Schoeneleria*? "
- *Agave heterantha*, scarce
- *Opuntia engelmannii*? scarce
- " *rostr.* - ? "
- " *arborescens* "
- " *leptocaulis* "
- Manilaria*
- "
- Carex*
- "
- "
- "

Echinocactus texensis a few.

"

"

Keamania canescens scarce

Dalea purpurea

Quercus

Ungnadia along edge a few

Microseris scarce

Acacia constricta rare

Rhus microphylla

" *viridis*

May 18 (11 mi. S. to Cottonwood grove)

Chilopsis

Posleria angustifolia

Ailanthus

Zinnia stars - yellow flowers

Baccharis linearifolia?

May 19

To Maricopa Gap, 6 mi. 2750

May 19 Cottonwood Grove 4175
9 AM.

Icterus bullocki 2

Chondestes texensis com.

~~Camp at Maricopa Gap 6 mi.~~

Empidonax wrighti

Citro Swainsoni

Amphispiza bilineata

Melospiza cinerea com.

Cyanospiza cyanea 11

Geothlypis trichas 2

Sitta mexicana 2

Icterus parisorum?

May 20 Mariavillas Gap 3700

Down valley to windmill 18 mi

Yucca elata in flower

Lysium berlandieri

Cercophytum

Notholaia spatulata

Over gap in Santiago Mts.

Down to Bone Spr. +

Camp - 3 mi. S. of Bone Spr.

3200

May 21 Camp 8 am. 3200

Lysium pallidum

McKinney Spr. 3500

Camp above Ernesto 3800

Poliophtila cerulea

" *plumbea*

Icterus parisorum

Microtus melanoleucus

May 22 Camp. 9 AM. 3600

Ernesto

2900

Camp at River

2650

May 23. Camp

2400

Poliophtila plumbea com

" *cerulea* "

Myiarchus cinerascens com.

Pyrrhuloxia

Corvus sinuatus

Pooecetes g. confinis

Amphispiza bilineata

Aegialites

Colymbus dom.

Petrochelidon & nests.

Icteria virens com

Mimus scarce

Curriparus parvipes com. nests.

Corpodacus frontalis com

Cathartes aura abn.

Circus hudsonius 1

- *Piranga rubra intermediata*, 1 ♂
- *Chordeiles texensis* com.
- *Sayornis nigricans* "
- *Catherpes* "
- *Salpinctes* "
- *Hirundo* "
- *Dryobates s. bairdi* "
- *Ardea herodias* 3
- *Sayornis saya* (7)
- *Uruba atrata*, small (8)
- *Stelgadoptrix* com.
- *Cardinalis* 1
- *Cyanospiza cyanea*
- *Vireo pusillus* ^{versicolor} _{cyaneus} com. nest (0)
- *Microtus melanoleucus* com (7)
- *Callipepla squamata* com.
- *Amphispiza bilineata* "
- *Icteria virens* 2
- *Amispans flaviceps*, com nest
- *Zenaidura* com
- *Coccyzus* 4
- *Zonotrichia leucophrys* com.
- *Actitis* 1 ♂
- *Pemecus crinita* (7)

Boquillas

- *Populus monilifera*
- *Silix nigra*
- *Prosopis juliflora*
- *Acacia farnesiana?*
- " *constricta*
- 330. a few.
- *Mimosa*
- *Baccharis*
- " "
- *Larrea* abn.
- *Leucophyllum*
- *Rhus microphylla*
- *Ziziphus*
- *Condalia*
- *Porteria angustifolia*, com
- *Lyseum berlandieri*
- " "
- " *pallida* bluehof
- *Lippia laquearia*, in gulches,
- *Mossinia spatulata*, com.
- *Eltis pallida* "
- *Diospiros irx* "

- *Chilopsis saligna* scarce
- *Zinnia stans*, on cliff
- *Mesotiana glauca*. (tree,
Common at Boquillas)
- *Prosopis pubescens*. said to be com.
- *Krameria canescens* com
- *Cephalanthus* near P.D.
- *Fouquieria*
- *Opuntia arborescens*
- " *leptocaulis*
- 352. " Alike *leptocaulis*
- 347. " spineloss
- 348. " dense black spines
- " long spines
- " purple pads
- 343. " *prostratus*, abn.
- 344. " *fragilis*, com.
- *Echinocactus texensis*? *ext. 27*
com.
- 349. " fish hook
- 350. " height spines
- " *longicaule* com.
- " *horizontalis*? *ext. 8*

• *Mammillaria micrantha*.

21 #CO.

• *Cereus* ~~truncatus~~

22 #C.O.

" *stramineus*

• *Erythrocarpus fissuratus* com

• *Agave heteroantha* abn.

" white leaf, com.

• *Scaevola* ? rare.

• *Yucca macrocarpa* abn.

352. " *elata* a few west

• *Acaudularia macrospora*

• Grasses - see collection

• *Atriplex canescens*

• *Ephedra* -

May 31

Zornillo Camp, 9 2200

Adiantum longifolium
Adiantum

Barbula

Barbula

Geopogon

Geopogon

Strick

Thuidium

Isenhardtia macrospora 3500

Dasylepis

Fern

4500

Camp at will.

10 P.M.

4900

June 1 Camp at will 5000

Upper camp

5800

Spring

6000

Falls (bottom)

6200

Top of ridge N. of Camp

7000

June 2 Camp 1900

5900

Spring

6100

Waterfall

Upper camp

Out of camp

6000

Rough for Chas. A. B.

Pinus *resinosa*

" *edulis* *mill.*

" *flexilis* ?

Juniperus *horizontalis*

" *procumbens*

Quercus *gracilis*

" *macrocarpa*

" *laevis*

" *macrocarpa*

" *macrocarpa*

Abies *grandis* *Mill.*

Prunus *virginiana*

Spiraea

Hamamelis *virginica*

Salix *caprea*

Ceanothus

"

Platanus *occidentalis*

Alnus

Fraxinus *virginiana*

Corylus

Liriodendron *tulipifera*

Asimina *trilobata*

Passiflora *floridana*

Alnus

Corylus

Fraxinus

Hamamelis

Rhus *copallina*

Quercus

Pinus

Juniperus

Salix

Abies

Agave *littoralis*

"

Yucca *filifera* *Mill.*

" *macrocarpa* *Mill.*

Dasylirion

Sotoleros

Dasylirion *terrestris* *Mill.*

Opuntia *engelmannii* *Mill.*

" *longispina* *Mill.*

" *stricta* *Mill.*

" *leptocaulis* *Mill.*

Monarda virginiana
along the river

Arisaema red flower

Schizanthus (big plant)

Lithospermum in moss 1500

Linum catharticum 1500

June 5 Camp 730, 5900

On ridge 5700

in wet place 5500

in wet place 5300

in wet place

in wet place

in wet place

in wet place

in wet place

in wet place

in wet place

in wet place

in wet place

in wet place

in wet place

in wet place

in wet place

in wet place

in wet place

in wet place

in wet place

Chen 10/19

Corvus sinensis

Phlox

1890

• *Phlox subulata* Mill.

1. *Amphiprion* *Amphiprion*

Habeas corpus

John H. H. H.

Special instructions

Therapsid

Polystichum acrostichoides

June 22 Full Camp
 Took 5 hrs. to reach

June 23

Outpost, 8 AM 3700
 Newl Spr. noon 3900
 Planapella 1
 Piranga "coopere" 1

Divide 4600

Camp 28 mi. 4100

June 24 Camp 8 4050

Zerlingo Creek 3600

Camp 4000

June 25 Camp 4000

Zerlingo P.O. 4250

Rio Grande about 3000

June 26 Camp 3600

Down Zerlingo Creek

Camp near Rio Grande 3200

June 27 Grand Canyon Rio Grande

4025 miles up

Golden Eagles 2
 Bobs
 Falco sparverius
 Butor abbreviatus heard (7)
 Cathartes aura com
 Sayornis saya
 " nigricans, nest
 Petrochelidon, nests
 Micropus melanoleucus ^{abund.} nests,
 Corpodacus
 Cathartes com; yg.
 Ardea herodias
 Ravens fig-
 Pipilo melanoleucus 1

In Canyon

Procyon, Tracks, meadow

fox

Beaver

S. buckleyi

Bassaris

Sheep

Prosopis juliflora,

Acacia

Acuminata

Mestera glauca

Opuntia - spinosa

Opuntia, - very spiny

Cereus paucispinus

"

"

Echinocactus

Yucca rigida

Yucca macrocarpa - few

Agave reticulata some

" white leaf - some

Fouquieria

Willow

Canes

Baccharis

Ferns

Euphorbia - leafy bush.

~~Croton~~

some

Terlingo Cr. near mouth

June 27-

- *Megascops vocalli*, 1, O.
- *Buteo calurus* 1
- *Aegialitis vocifera* com
- *Ardea herodias*, 1
- *Zenaidura* abn.
- *Callipepla squamata* 2
- *Chordeiles texensis* abn.
- *Micropus melanoleucus*, com.
- *Petrochelidon* com
- *Stellgodopteryx* "
- *Chlidon* a few.
- *Driolates bairdi* com.
- *Geococcyx californianus* "
- *Coccyzus - yellow bill* - 1
- *Myiarchus cinerascens* com.
- *Pyrocephalus rubinus*, com
young out,
- *Sayornis saya* - incamp.
- " *nigricans* "
- *Vireo bellii*, com.

- *Corvus sinuatus*, com -
nest in cliff.
- *Molothrus ater?* com.
- *Icterus parisorum* 1
- *Piranga cooperi* com.
- *Perryloxia* "
- *Spinus mexicanus* 13
- *Pucea cassinii*, 1 heard -
- *Amphispiza bilineata* com.
- *Passerina ciris* "
- *Caesodactylus frontalis* "
- *Catherpes* "
- *Heliodiops* "
- *Auriparus flaviceps* "
- *Polioptila caerulea* "
- *Mimus polyglottos* "

Terlingua Creek at mouth.

June 26-

Populus monilifera

Salix nigra;

Prosopis juliflora com.

Acacia constricta com.

" (355) "

" (360) "

Condalia

Ziziphys

Larrea

Koeberlinia

Ephedra

"

Baccharis

"

Fouquieria

Porteria angustifolia

Mossinia

Agave pectinacea

" white leaf

Yucca stricta

Yucca macrocarpa

" *rigida* - in canyon.

Dasyleria - in canyon.

Croton spineless

" long spined -

" *engelmanni*

" short flower spikes

" *leptocaulis*

Echinocactus longispinus

"

"

flat spines

Cercus parviflorus

" *aculeatus*?

Petalio

Mammillaria

Ungadia speciosa, com.

Siliginella

Euphorbia bush

Opuntia canyon.

" *arborescens*

" *nuttallii*

Suaeda

Lepidium

2

Camp - Mouth of Kurling Cr. 3100
June 29
(Kurling Cr.
10 miles up - Camp 3200

July 1 Camp 8 mi.

Doby Walls Camp 3900

July 2 Doby Walls 3900
big basin flat
Well down camp 12 mi.

Lunch camp 13 mi. 4350

Orr mesa 4600

Microrhamphus

Dagglan

Yucca rigida

Spizella 1

Corvus cryptoleucus com

Sturnella hooksi com

Butcher knife Ranch 10 mi. 4550

Camp - 4 mi. back 4700

Chordeiles harrisi com

July 3 Camp 9 AM. 4650

Big flat 4900

Poocaetes 2

Harporhynchus 2

Pipilo megalonyx

End of Lark - Lower Lark

Creek - 5000

Populus monophylla

Celtis

Sapindus

Juglans rupestris

Grape

Juniperus virginiana

Oaks - 3

Camp for lunch 14 mi. 5325

Mimosa biuncifera

Camp 20 mi. 5600

July 4 Camp. 1 PM. 5600

Summit 6300

Camp 5750

July 5 Camp 7:30 5500

Alpine 4 mi. 5200
" altitude (4482)

July 6 - Left Alpine 4 P.M.

Camp - 8 mi.

July 7 up Mesquero Canyon

- Quercus 2
- Juniperus
- Arbutus
- Juglans rupestris
- Minasa binocarpa
- Acacia constricta - scarce
- Prosopis juliflora
- Sophora secundiflora in rocks
- Populus monilifera
- Salix nigra ?
- " " - silver
- Ungnadia - few
- Argemone
- Datura
- Devil's horns
- Asclepias

July 8 Limpia Canyon

• Quercus - wislizeni ?
• " - emoryi ?

• Juglans rupestris

• Populus monilifera

• Salix nigra

• " " - silver leaf.

• Celtis

• Chilopsis

• Sapindus , tree

• Rhamnus

• "

• Minasa binocarpa

• Prosopis juliflora - a few

• Yucca, like woorocarpa

• Yucca stricta

• Dasylirion a few

• Nolina texana

• Ungnadia

• Berberis trifoliata , a few

• Apocynum androsaemifolium ? a few
- in wash

• Fallugia

• Philadelphus

• Gilia - cardinal

July 8 Camp at Pineda 5000

up canyon

Pinus echinatis top 5300

Pinus ponderosa a few at 5500

Tamiricus pachyphloea " top

Quercus (laurel leaf) " "

Prunus a few " - 7000

Rhus trilobata " "

Opuntia fine spurs " top

Cercis parvifolia " "

" " " "

Viburnum texanum " 7000

Cercocarpus parvifolius " top

Ceanothus " - 7000

~~Upper Camp 6000~~

~~up ridge~~

~~*Quercus* " scrub 7000-~~

~~*Pinus monticola* ? n.s. 7000-~~

~~first ridge 7400~~

~~second ridge 7600~~

Quercus grisea ? abn top

" *emoryi* ? " "

" *texensis* ? at 5500

July 9 Camp- 5500

up canyon Camp 6000?

Pinus lig 5700-7000

Symphoricarpos 7400

Quercus lobed scrub. 7000-8000

Pinus monticola ? n.s. 7000-top

first ridge 7400

second ridge 7600

Symphoricarpos " "

Yucca - 8000

Opuntia fine spurs - 8000

Cercis - "

Thamnos 7000

Vitis " "

Fraxinus " "

Juglans rupestris in gulch - "

Ptelea trifoliata "

Rhus trilobata 5000-8000

Agave 5700

Mimosa biuncifera - 7000

Cercocarpus parvifolius stop 5500-

Celtis 5500

Morus celtidifolia a few

Davis Mts -

July 8 Prudes Ranch & Ft. Davis

Tyrannus vociferans, com

Thryothorus polyglottos "

Icterus spurius 1 pair

Chelidon

Petrochelidon

Pipilo megalonyx com

Colaptes "

Salpinctes

Sayornis saya

Columba fasciata 7

Myadestes cinerascens

Up Olympia Canyon to 5500 feet

Aphelocoma com

Columba fasciata, 7 at 5500 -

Geothlypis trichas, "

Zenaidura "

Dendroica auduboni 2

Chondestes harrisi

July 8 Up canyon to 6000 feet

Melanerpes formicivorus

Colaptes cafer 1

Thryomanes

Sitta aculeata 1

Golden Eagles 3

up ridge

Parus gambeli at, on 7000.
Psittacus plumbeus "
Pipilo megalonyx com "
Catherpes aura com
Sialia taylori at wood
Microtus melanoleucus com
Melanerpes torquatus 1
Piranga hepatica 1
Falco sparverius 1
Parus atrocristatus 3
Ceryle alcyon platyceros
Thryomanes com
Golden eagle (7) 3
Cyanocitta (7)
Spizella "
Pucea (10)
Butor abbreviatus, + nest in tree
Icterus parisorum
Piranga cooperi
Catherpes
Salpinctes

July 13 Down to 5500.

Certhia montana
Petrochelidon
Junco

July 15 to Ft. Davis

July 16 Down to 5500
Ceryle alcyon
Junco

Ceryle
Lophophanes

Petrochelidon
Tachycineta

Thryomanes
Petrochelidon

Junco
Salpinctes

Junco
Vireo

Euphorbia scaberrima

Protoparce pubescens

Mimosa biuncifera

Rosa acuta

Rosa acuta

Malva

Asplenium

Quercus laevis

Quercus laevis

Quercus laevis

Quercus laevis

Quercus laevis

Quercus laevis

Quercus laevis

Quercus laevis

Quercus laevis

Quercus laevis

Quercus laevis

Quercus laevis

Quercus laevis

Quercus laevis

Quercus laevis

June - 15 m.

end of big canyon

Forest Service

Parosif - com

Arachis - com

Ligustrum

Rosa acuta

Quercus laevis

Quercus laevis

Quercus laevis

Quercus laevis

Sum Spring

Neotoma lepida, plain

Vase

Zigzag

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

July 17, Tozack

Tozack, 25 mi

Proctos

Acacia constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Alma constricta

Plant Catalogue 1901

No.

320. *Mediana glauca*
Langtry, May 8,

321. *Euphorbia antisiphilitica*
not Sanderson,
leafless, milky,

322. *Yucca macrocarpa*
Sanderson

Marathon May 16-

323

324

325

326 *Cercia picta*

327 *Opuntia antisiphilitica*

328 *Ziziphora*

328' *Cercis greggii*
not numbered.

For Cactus Nos 18-28

H.C.O. see Catalogue
of V.B. Nos.

Marathon, Texas, June, 1901

329. *Quercus grisea* - steel

330. *Mimosa*

Pink flower in heads. pods spring.

331 *Yucca rigida*

at 10' high. in

332 *Yucca stricta*?

333 *Mimosa biuncifera*

334 *Mimosa*

Cottonwood Grove 15 mi. S. of Marathon
335. *Teoma stans* May 19.

336 *Krameria canescens*

Boquillas (5 mi. N.)

337. *Lantana*

338. *Coldenia greggii*

339.

340.

341. *Stipa*

good fed, abu. on hills.

342. *Dalea pruriens*

343. *Opuntia prostrata*

344. *Opuntia fragilis*?

Boquillas May 23.

345 *Cercus*? " 29

346. ~~Stipa~~ ^{*pisauratus*} cactus, *Arbutonium*

347. *Opuntia*

348. *Opuntia*

349. *Echinocactus*

350. *Echinocactus*

351. *Mammillaria micrantha*

352. *Opuntia* like *lythricanthus*

353. *Forstiera angustifolia*

354. *Nyctea texensis*

355. *Acacia* ^{*procumbens*} ~~*procumbens*~~?

356. *Acacia constricta*?

357. *Zizium*

358. *Zizyphus*

359. *Baccharis*

360

Ernsts Store, May 31

361. *Opuntia*

Chisos Mts June 1-

362. *Yucca*

363.

364. *Lonicera*

365. *Rhamnus* ^{*purshiana*}

366. *Morus* ^{*rubra*}

367. *Gilia*

368. *Vitis*

369. *Acer*

370. *Prunus*

371. *Garrya*

372. *Zandneria*

373.

374. *Clavatis*

375. *Asclepias vine*

376. *Pinus edulis*

377. *Quercus emoryi*

378.

379. *Juniperus*

380. *Quercus texana* ^{Jun 7.}

381. *Quercus grisea* - *stul*

382. *Pentstemon*

383. *Tillandsia*

Short. on rocks at 6600 ft

384. *Quercus undulata* - *stul*

385. *Pseudotsuga*

386.

387.

388. *Cupressus arizonica*
tree 2-4 ft by 50-100.

389. *Pinus ponderosa*

290. *Agave*

391. *Nolina* ^{*microcarpa*} ~~*texanensis*~~

392. *Quercus*

293. *Gnaphalium*

294. *Grass*

295. *Andropogon*

396. *Condalia*

397. *Condalia*

Terlingo

398. *Acacia rehmannii*

~~*Acacia rehmannii*~~

Davisia

399. *Vitis*

July 9.

400. *Crotonus pendulus*

401. *Quercus* ^{lobed leaf, divisions} *neomexicana*

Shrub or small tree

402. *Quercus* ^{like *laevis*} *hypoleuca* !

403. *Symphoricarpos*

404. *Salix* ^{silvery leaf}

July 7.

405

Pinus monticola

406. *Rhus-c. lanceolata*

407. *Salix* ^{like *cordata*} ^{July 11.} 9000

408. *Adolphia* ^{July 11.} *infesta* 6000

409. *Mimosa biuncifera*

July 13.

410. *Opuntia* ^{fine spines}

411. *Forsteria* ^{like *lutea*} - ?

412. *Quercus grisea* - ^{shrub}

413. *Agave*

414. *Quercus emoryi* !

415. *Rhus trilobata*

416. *C. tris*

Don't know. 14.

417. *Quercus*

laevis

laevis

418. *Quercus* *parvifolia*?

Quercus *parvifolia* Aug. 9. 6900 ft.

Photograph



419. *Salix* Aug. 15. 6800 ft.

420. *Berberis*

421. *Rosa*

422. *Rhus trilobata*

423. *Philadelphus*

424. *Chrysothamnus*

425. *Castaleya*

426. *Cercocarpus*

427. *Quercus undulata* *fidula* Steud.
Shrub & small tree, serrate leaves, grayish
horn assid in pairs 2800-

428. *Quercus grisea* - steel
Shrub or small tree, leaves rigid, blue,
elliptical, entire, bark gray, acorns stalks

429. *Quercus grisea* - steel
6500-
Same as last, another bush -

430. *Quercus grisea* - steel. Aug. 19
Tall shrub, blue, entire leaf, larger
than last but similar. 6500-

431. *Quercus fendleri*
Shrub with crevate leaf - 2 feet high -
7000 - 9000

432. *Quercus* *monspiciensis* - steel
foveolata
Shrub or small tree, deep lobed leaves
Same as 401. 7000 - 9000

433. *Quercus prinoides acuminata*, S.
7000 - 9000

434. *Acer*

435. *Carpinus*

436. *Cercocarpus*

437. *Prunus*

Over next page →

438. Amelanchier

439. Ptelea trifoliata

440. Vitis

441. Berberis ripens

442. Ceonothus

443. Lonicera

444. Cypripedium

445. Robinia mexicana

446. Rosa smooth

447. ~~Symphoricarpos~~ Fragaria

448. Symphoricarpos

449. Spirea?

450. Solidago

Over next page →

Spectylo nest hole, Pecos, July 19

at entrance of burrow -
many tails & feet of D. conbignus,
young rabbit foot, feet of frogs
& toads, wing of Texas night hawk,
pieces of beetles, grasshoppers,
various insects, many
scorpions (4 freshly killed)

Pecos July 19
440
Spectylo 226
441 254
442 273
443 491
444 622
445 4202
446 278
447 342
448 487

Pears July 17

Prunella
Prunella
Prunella
Prunella
Prunella
Prunella
Prunella
Prunella

450.

451. *Lonicera*

small

452. *Garrya*

453. *Amelanchier*

454. *Lysium*

454. *Rhamnus*

455. *Eriogonum*

456. *Solanum* potato

457. *Saxifrage?*

For next number
See back of book

Carlsbad, NM.

July 19 - 29.

Ardea herodias, com
Agelaius vociferus abn
Zonotrichia melanoleuca 1
Callipepla
Zenaidura
Cathartes
Buteo swainsoni, intrus
Bubo 1 + yg.
Speotyto
Buteo calurus
Actitis macularia, com
Tringa minutilla, in flocks July 26
Agelaius nivosus, 1 July 26
Hylocichla ustulata 13, July 25
Himantopus melanoleucus 3
Phalaropus
Graculus abn.
Phalaenoptilus com.
Chordeiles hurryi "
Asyle a cyon.
Sayornis saya 1

Myiarchus cinerascens, com
Empidonax
Otocoris com
Sturnella
Coccyus erythrorhynchos, 1 + old nest
Icterus persicus + yg.
Xanthocephalus com
Agelaius phoeniceus nest + yg.
Molothrus ater com
Calamospiza com
Cyanospiza cyris "
 " (versicolor?) Sucker
Zonotrichia leucophrys + nest
Amphispiza bilineata + nest
Pooecetes gramineus - a few
Vireo solitarius? Sucker
Lanius excubitorides abu
Chelidon - nest + yg. mud + eggs
Petrochelidon com.
Mimus abu
Heliodites + old nests
Amphispiza + nests + yg.

Carlsbad

Prosopis juliflora
Acacia constricta
Mimosa com 360
 " *biuncifera* abu. 409
Salvia frutescens com
Microseris com
Ziziphys abu
Fouquieria "
Berberis tripartita com
Rhus microphylla
Baccharis fine ref
 " willow leaf
Houssia cuneata spread shrub
Salix nigra
Populus monilifera
Juniperus N.E. slopes
Juglans regia, a few
Quercus on rocks
Celtis a few
Morus 1 N.E. as few
Fouquieria on hills
Koeberlinia spinosa abu

Opuntia engelmannii

" *raf-* ?

" *dark spinus*

" *arborescens, a few*

" *replicans, com.*

Mamillaria heydenii com

" *tall* "

Cereus

"

Echinocactus texensis

" *horizontalis*

Yucca b. macrocarpa, com

" *stricta* abu.

Agave heteracantha, abu. on rocks

Sasilerion, abu on slopes

Holera texana

• ~~*Gutierrezia*~~ - ?

• *Bigelovia* ? white bush

• *Krameria canescens*

Cucurbita

Satura

Distachis

Gramma

Lunehus

Scirpis lucustr

Zypha

Heliotropum curassavicum

Lissium carolinianum?

Carlsbad

Lepus texianus

" *arizonae*

Spermophilus mexicanus

Neotoma micropus

" *albicula*

Peromyscus crinitus

" *sonoriensis* 1

Onychomys

Fiber

Cratogeomys

Dipodomys spectabilis

" *ambiguus*

Perodipus

Perognathus

Cynomys

Zapus

Procyon

July 29

7. town - Carlsbad &
up to Pump, 3 mi. S.W.

Camp at Pump -

(Carlsbad 3250?)

July 30 Camp - ³³⁰⁰
~~3800~~

up Dark Canyon

Entrance of canyon 8 mi.

Lunch - 12 mi. ³⁷⁰⁰
~~4200~~

Mosby's Spr. 4 mi. 4050

Camp 6 mi. ⁴¹⁰⁰
~~4600~~

July 31 Camp ⁴¹⁰⁰
~~4600~~

Cratogeomys com

Peristellus "

Cynomys

Cottontail

Spermophilus grammurus with
3 alms in pouches & part
of *Opuntia* & *Rhizilla* in stomach.

S. spilosoma 1 im.

Badger skin at ranch

Procyon skin " "

Lunch at Ranch 10 mi. ⁴⁷⁰⁰ ~~5200~~

Quercus	2	"
Ceanothus		"
Arbutus		"
Jasmines ^{virginianus} pachyphloea		"
Cercocarpus	little bush	"
Garrea		"
Pinus edulis	^{N.E.} 6000 5500	"
Juniperus pachyphloea		"
Pinus ponderosa	in gulches	6000
Agave	fig,	6200 6000

Camp - 40 mi. W. of Castleford ⁶⁰⁰⁰
15 mi. E. of summit ⁶³⁰⁰

Aug 7 Left Goat Camp 6000
W. 5 miles,
Camp near Mrs. Owens 6200
Down Sitting Bull Canyon

Aug. 8

Pinus ponderosa	com
" edulis	"
Juniperus pachyphloea	abn
" occidentalis	com
Quercus grisea	"
" emoryi ?	
" prinoides, in gulches	
" ? seal bark shrub	
"	
Acer grandidentatum	in gulches
Arbutus	com
Sapindus	1 tree at 6100
Vitis	abn in gulches
Garrea	com.
Rhus	fig "
Rhus trilobata	"
Philadelphus microphylla	"
Cercocarpus parvifolius	"
Ceanothus	"
Mimosa biuncifera	"
Dalea	1

Agave. big, com.
 Yucca rupicola? "
 " stricta "
 Nolana texana "
 Dasylirion on lower slopes
 Opuntia arborescens, com.
 Opuntia ref? "
 Cereus brown spurs
 " paucispinus? com.
 Mammillaria hughesii?
 Berberis pinnatifida?
 Ptelea - in gulch

at Queens

Aug. 10, Camp, 8 am. 6900

Lyasium pallida?

Summit - 6900

Down Dog Canyon to 6100

Up Dog Canyon to 6700

In Dog Canyon to El Paso Gap

Fouquieria on hot rocks 6500

Agave heteracantha, to 6500 on hot rocks

Rhus microphylla,

Up Dog Canyon

Juniperus pachyphloea com -

" monosperma, less com.

Pinus edulis 6100-8500

Pinus ponderosa 6700-8500

Pseudotsuga 7000-9000

Pinus monticola 7500-

Quercus grisea 6500-

" " (shrub?)

" " (401)

" "

" prinoides

Aug. 11

Camp in Dog Canyon ^{8th m.} 6550

Spring 6900

Peak 8500

Aug. 12. Camp at Rock tank 6700

Top of ridge 8400

McKitterick Canyon 7400

" flat 7800

Acer grandidentatum

Butula 7000-

Amelanchier alnifolia 7000-

Rhamnus purshiana 7000-

Cercocarpus parvifolius 6500-

" big leaf 7000-

Rosa Dog Canyon fuzzy calyx

" McKitterick smooth calyx

Garrya 7800-8500

Ceanothus 6800-8500

Philadelphus microphyllus 6800-8500

" *seppyllifolius*?

Lonicera 7000-

"

Robinia 7000-8000

Ptelea trifoliata 7000-

Rhus aromatica! 6100-8500

Barberis ^{toxicodendron} finellii? 6500-7000

" *repens*

Agave big 6500-8500

Dasylirion 6500-8000

Nolina 6800-8500

Yucca rupicola? 6100-8500

" *stricta* 6800

Opuntia *raf.*?

Cereus *parvispinus*

" brown spines

"

Mammillaria micromeris

" *hyderi*

"

Lonicera

Fragaria 7800 *Sis*

Linum perenne

Companula

Ceanothera speciosa

" yellow

Gutierrezia
Mirabilis
Portulaca
Crotalaria
Malvastrum
Castalia
Convolvulus
Oxalis
Chrysanthemum
Arbutus
Pentstemon barbatus
Gilia longiflora
Linum purpureum
Clematis
Allium
Fritillaria
Eriogonum
Helianthus annuus
Helianthella
Grindelia
Berlandiera
Artemisia ludoviciana
Cucurbita

practical notes.

Totanus melanoleucus com. at 6200
Totanus solitarius a few at 4
Actitis macularia " "
Agelaius com. "
Phalaropus 15 at 7800
Cyrtonyx 2 at 4000. com at 6800
Melospiza 1 at 6000
Calispyla Dog Canyon to 5800
Zenaidura
Columba fasciata
Cathartes aura
Buteo borealis
 " *abbreviatus* (Swainson)
 " *swainsoni*
Falco sparverius
Accipiter velox 2
Bubo in Sitting Bull Canyon
 - feathers & nest
Syrnium ? feathers in McKittrick
Thalassidroma forsteri com
Dryobates bairdi com
 " *bairdi* com
Colaptes cafer com
Geococcyx

Micropus melanoleucus com
Trochilus platycircus "
 " *rufus* "
Phalaenoptilus
Chondestes henryi + yg. com.
Mysarchus cinerascens
Tyrannus vociferans
Empidonax difficilis !
 "
Contopus richardsoni
 " *bovatus* 1
Progne
Petrochelidon
Molothrus ater - with *P. hiopitila* yg.
Sturnella hoopsii com
Icterus perisoreus
Piranga hepatica
 " *ludoviciana*
Habia melanocephala (a few)
Calamospiza
Chondestes
Amphispiza
Spizella arizonae

Puea
Junco
Pipilo megalonyx
 " *metoleucus*
Astragalinus
Dendroica auduboni, com
Vireo plumbeus com
Psaltiramus Lloydii com
Poiaetila plumbea "
Harporhynchus curvirostris
Mimus polyglottos
Merula propinqua, a few
Sialia bairdi com
Sitta aculeata com
Sitta pygmaea a few
Catherpes + yg. com
Salpinctes + yg. "
Zurdus auduboni Aug. 12 + 20 3 + 1
Aptelocoma com
Cyanocitta a few -
Pica - 2 reported -
Aquila chrysaetos a few

Corvus sinuatus, heard
Anthus ^{heard in McKittrick Aug. 20} *micromistax*
Dendroica ^{3 shot} *graeae* Aug. 20
Tyrannus heard
Contopus borealis 2 Aug. 21
~~*Myiophobus*~~ *flammas* 1 in Aug. 22
Wilsonia 1 Aug. 22
Geothlypis nelsoni, 1 Aug. 22
Helminthophila celata 1 Aug. 24
Empidonax wrighti 1 "

Fragaria speciosa collected
Liatris "
Solanum potato "

Aug. 20 camp 6800
Mining camp 7100
Top of ridge 8500
Camp in McKittrick 7800
Water " 7700

Solidago 3 species

Osclepias

Convolvulus 3 species collected

Symphoricarpos "

Spiraea or *Physocarpus* "

Cnicus - white leaves

Centauria

Senecio snake root

Fallugia collected

Phlox "

Allium "

Mirabilis 2 sp. "

Castilleja "

Fritillaria "

Aug. 25 back to El Paso Gap, 8 mi.

Camp 6800 -

El Paso Gap Camp 6200

Aug. 26, Camp

Through Gap, 12 miles, 5900

Down Dog Canyon 5 mi. 5600

Fouquieria in valley to - 5500

Larrea " - "

Baccharis " - "

Yucca macrocarpa - 5800

Opuntia leptocaulis - 5500

Atriplex canescens - 6100

Lycium pallidum - "

Rhus microphylla - "

" + viridis in canyon at - 5100

Gutierrezia euthamiae - 5800

Opuntia arborescens abn. 5200-7000

Agave - big - com 5500-8500

Yucca elata abn - 6800

Dasylix - 5500-7000

Yucca repens - 5500-8500

Nolina 5500-8500

Eurotia larata 5000-6000

Berberis trifoliata - 5100

Down Dog Canyon Aug. 29

Mimus polyglottos abn. - 5800

Heliodytes " - "

Calipha 20 yg. at - 5600

Amphispiza bilineata, abn - 5800

Harporhynchus aurivindussm - 5800

Zenaidura abn - 5600

Chondestes 2 - "

Colaptes abn

Accipiter 1 5600

Pipilo maculosa abn.

Petrochelidon - - 5600

Buteo borealis calurus 1, 5500

Spizella

Peucaea

Lanius 2

Sturnus persicus 1 5500

Catherpes 1

Salpinctes

Carpodacus

Dipodomys spectabilis - 5200 + 5500

Perognathus - 5500

Aug. 27 Camp 8, 6200,
 Divide 6900
 End of ridge 6000
 Camp (Barlemons) 5300
 Agave - big - down to 5300
 Agave - medium - 6000
 Aug. 28 Camp 9 am 5300
 3 mi. below 5200
Aipodocys spectabilis "
Rodentia "
Larrea "
Acacia constricta "
Prosopis "
 Lunch Camp, 10 mi. 4800
Opuntia leptocaulis - 5000
Acacia bonariensis - 51
Chilopsis - "
Juglans nigra - 54
Rhus microphylla - 5300
Acacia bima - 6700
Condalia - 5000
Microseris - 5500
Oroscoptes can.
Bubo heard
Moschus Spr. 18 mi. 4500

Aug. 29 - Moschus Spr. 4500

Camp at pump station 3900

Aug. 30, " " 3600

To Bolles Ranch

Sept. 13, To James Ranch 30
miles east

Sept. 14, Return to Bolles Ranch

Sept. 19, To Pecos 7 AM.

Foyah

Kent

Wild horse

Van Horn

Sierra Blanca - dark

El Paso, 11 P.M.

El Paso Sept. 24.

Rhus microphylla

Farrea

Yucca

Prosopis juliflora
" *pubescens*

Acacia constricta

Koeberlinia

Lycium berlandieri in masses
" *carolinianum* on flats

Zizyphus

mint bush, *Lippia*?

Urena stans

Yucca baccata "Amole"

" *macrocarpa*

" *elata* east of town

Dasylirion on a slope

Agave mitracantha abundant

Opuntia engelmanni?

" brown spined

" *adpressus*

" *leptocaulis*

Krameria canescens

Cereus paucispinus on rocks

" *arborescens* 1 bunch on rock

"

Mammillaria

"

Echinocactus texensis

" *horizontalis*?

" *wigginii*? big -

Boerhaavia sabatana

" *tormentosa*

"

Erigeron suffruticosus

Solidago

Aster

Helianthus

Populus monophylla

Salix nigra?

"

Atriplex canescens

Ephedra, big green

"

, blue

Sept 27,

Left El Paso. at 9:15 P.M.

Via Santa Fe for home

Sept 28 -

Daylight in open valley
near Las Lunas

Albuquerque, 7:10 A.M.

All upper Sonora

Atropa canescens.

" *confertifolia*

Sarcobatus

Bigelovia

Sunflowers

Pebbles + Indians

Waldo -

Junipers + grass

Larrea

Junipers

Pinus edulis in pools

up creek canyon,

Pinus ponderosa

Pinus strobus

Oaks + *Populus angustifolia*

A wide strip of transition -

Down long grade to
Las Vegas - out on plains
Mts. to west, over ridge
of nut pine + juniper, across
gulches + canyons of yellow pine
but mostly grassy plains.

Raton at dark

Sept. 28

Daylight near Dodge City

Dark at Kansas City.

Sept. 29.

Chicago 7:40 A.M.

Dark at Liffin Ohio.

Sept. 1.

Cumberland breakfast

Washington D.C. 12

1901

Pecos Valley near Texas line. Sept. 19.
459A. *Quercus*? tall

459B. *Quercus*?

459C. *Baccharis*!

459D. *Cinico vigitoris*!

459E. *Atriplex canescens*

See next page for
463: -1-

Plant Catalogue

1901

458. *Yucca microcarpa*
Carlsbad, N.M. July 30.

459. *Yucca*
30 mi. S. of Carlsbad.
Sep. 15, 1901.

460. *Locoweed* -
Chisos Mts. Tex. June 13, 01.

461. *Yucca* leaf
Sierra Blanca, Tex.

462. *Yucca* leaf
Sierra Blanca,

463. *Yucca* leaf
Guadalupe Mts. N.M.

464. *Salix*
El Paso, Tex Sep. 25

1901.

465. *Salix*

El Paso, Tex. sep. 25.

465A. *Solidago*

465B. *Acacia constricta*

465C. *Lycium*

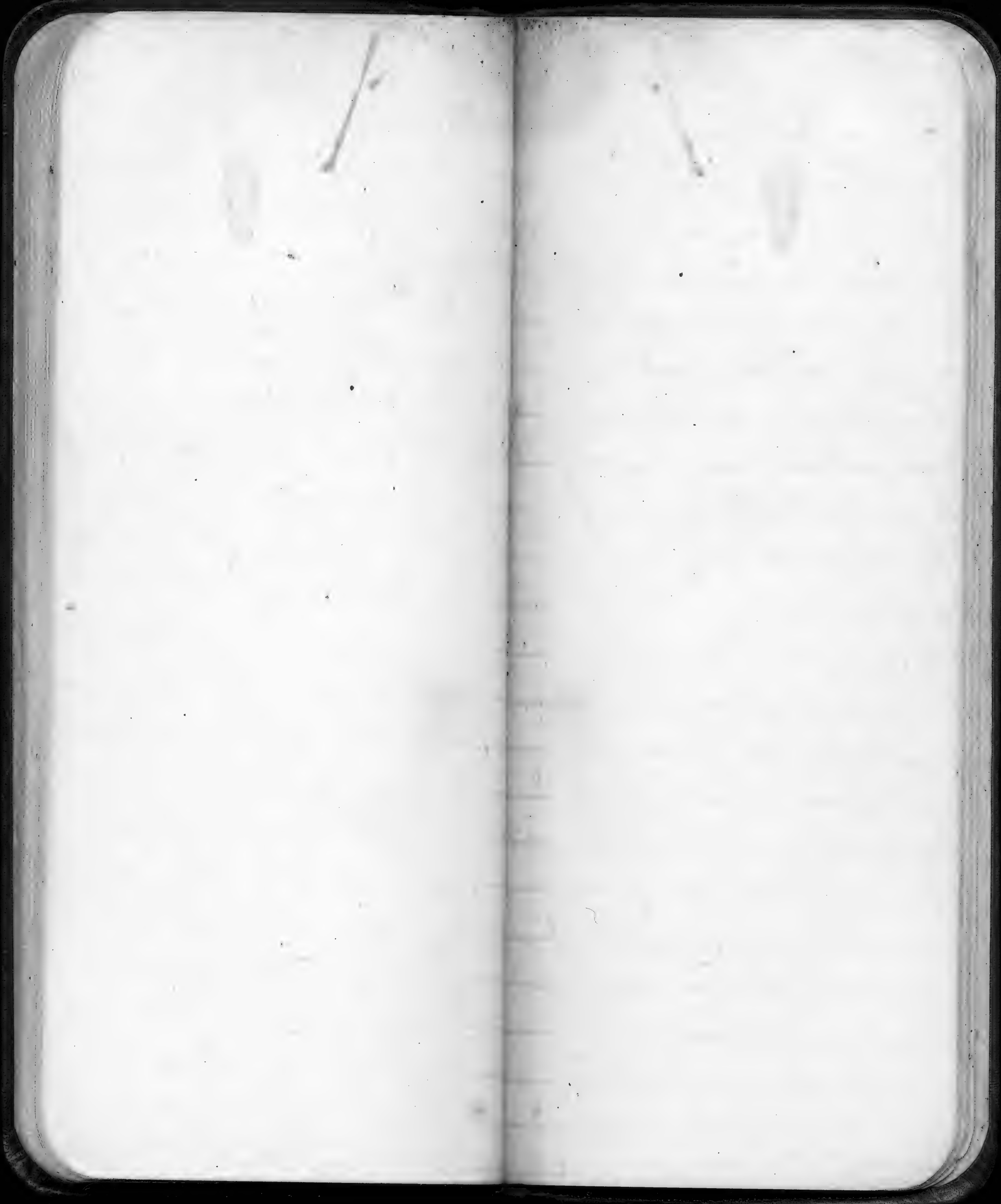
465D. *Indigofera* ?

465E. *Baccharis salicifolia* ?

Guadalupe Mts. N.M.

Aug. 22 + 24.

465.1







Birds Collected

Marathon

- *Zonotrichia querula*
- *Horizopus richardsoni*
- *Carpodacus m. obscurus*
- *Otocoris a. arizonae*
- *Oreospiza chlorura*
- *Calamospiza*
- *Spizella breweri*
- *Guiraca c. lagula*
- *Pipilo f. mesoleucus*
- *Pooecetes gramineus*
- *Amphispiza b. deserticola*
- *Dendroica auduboni*
- *Empidonax wrighti*
- *Zenaidura macroura*
- *Wilsonia pusilla*
- " (*piliolata?*)
- *Empidonax traillii*
- *Hylachia n. swainsoni*
- *Dendroica a. warreni*
- *Hylachia almae*
- *Sayornis nigricans*
- " *o. aya*

- *Sinus n. notabilis*
- *Nuttallornis borealis*
- *Corvus cryptoleucus*
- *Myiarchus cinerascens*
- *Piranga ludoviciana*
- *Icterus bullocki*
- *Molothrus ater*
- *Vireo g. swainsoni*
- *Chondestes a. texensis*
- *Vireo pusillus*

50 mi. S. of Marathon

- *Corvus c. sinuatus*

Mc Kinney Spr.

- *Icterus prairie*
- *Poliaptila plumbea*

Boquillas

- *Pyrrhuloxia s. texana*
- *Amphispiza bilineata*
- *Cyanospiza cyris*
- *Icteria v. longicauda*
- *Callipepla squamata*
- *Petrochelidon lunifrons*
- *Pyrrhuloxia sinuata*

Vireo s. plumbeus

Piranga rubra

Chisos Mts

- *Lanius excubitorides*
- *Cyrtonyx montezumae*
- *Parus atricristatus*
- *Aphelocoma (potsamii?)*
- *Dryobates tairdi*
- *Caeligena chrysolaus*
- *Anthus trivirgatus*
- *Psittiparus m. lloydi*
- *Columba fasciata*
- *Melospiza formicivora*
- *Piranga hepatica*
- *Poliaptila caerulea*
- *Amphispiza a. scottii*
- *Quercus laevis*
- *Pipilo l. (interius?)*
- *Calathorax lucifer*
- *Trochalis alexandri*
- *Amphispiza b. (grisea?)*
- *Thryomanes b. eximius*
- *Selasphorus platycircus*

May 7

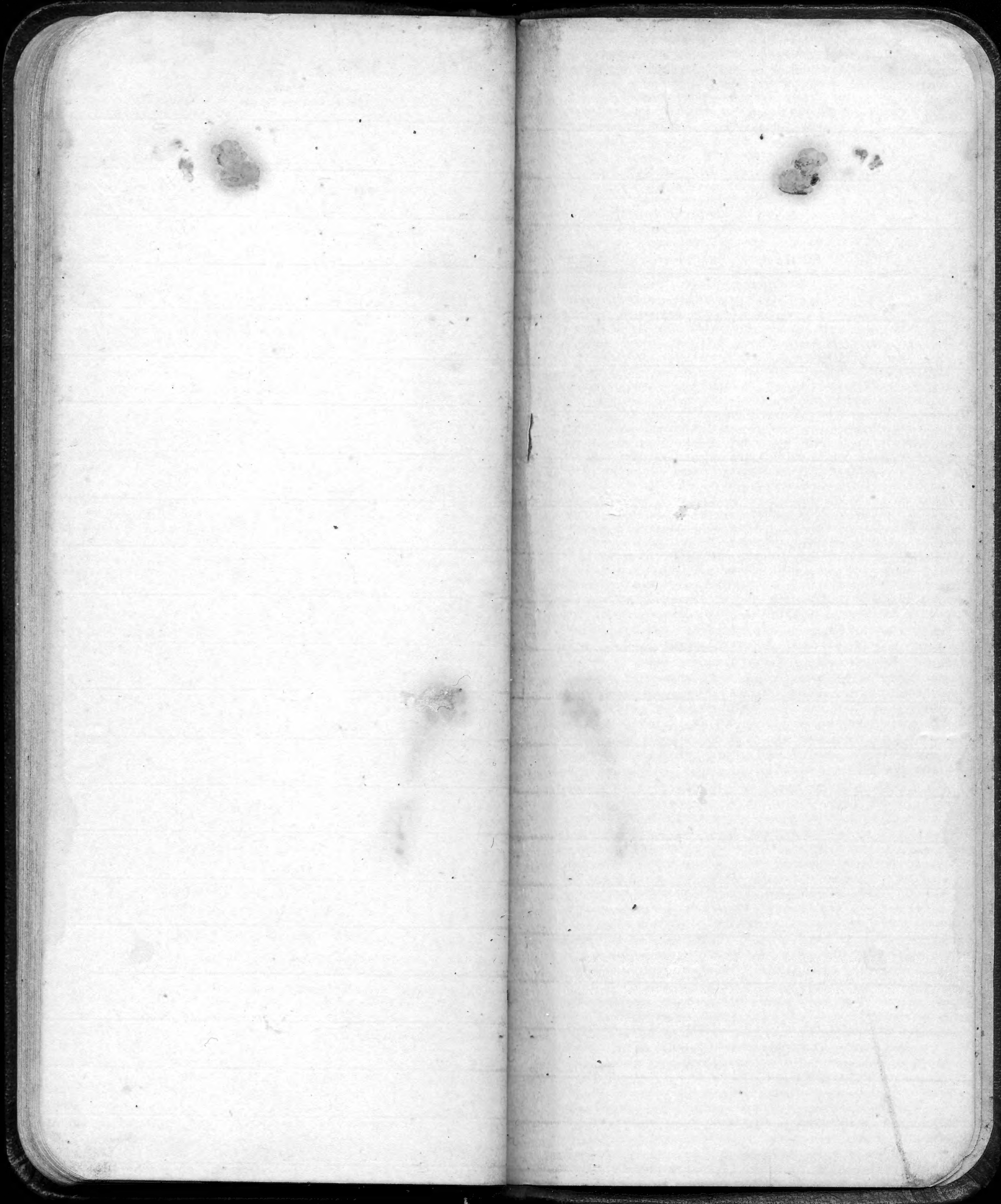
1. Pump Canon, Cave high up
Retiro Sec. Sunlight - 4 P.M.
d 32, 1 sec.
2. Same in bottom of canon
d 16, $\frac{1}{4}$ sec. with trees
3. Cliff + high cave by Rio Grande
d 60, $\frac{1}{2}$ sec.

- *Taio diacrus*
- *Agelaius melanoleucus*
- *Piranga rubra*
- *Empidonax difficilis?*
- *Psittacus plumbeus*
- *Vireo h. stephensi*
- *Pipilo megalonyx*
- *Catherpes albigularis?*
- *Phalaenoptilus nuttallii*
~~*Pyrocephalus*~~
Fertingo
- *Pyrocephalus r. mexicanus*
- *Coccyzus americanus*
- *Megascops vocallii*
Albino
- *Sturnella hoopesii*
- *Harporhynchus curvirostris*

Transport - binoculars

No. 3430 - Wash. to Marathon
Fare

3431 Marathon to Tangier 4.00



Moore, n. side Chisos Mts.

H.C. Glaze - for Tex. Fauna

326, Ragsan St. San Antonio

W.H. Dodd, Langtry, Tex.

Sam. J. Green, El Paso,

721, Missouri St. (at Sierra Blanca)

Dec 2, 1909

Green foliage - seeds + berries
leaves + pods - seeds of *Ocotea*

(no) 3 withing pods
A lot of ripe berries of *Prosopis juliflora*
Larvae capsules of *Pantodon*
Cat leaves a few, leaves of *2018*

600 plants, 100000

1390 x 210 x 300

415 x 60 x 90

RD 1000

1000

1000

1000

1000

1000

1000

A. L. Lemons ^{bought 7}
Marathon

Homer Cochran ^{bought 7}
Marathon
or J. M. Newton

F. L. Kelley, Austin
706 - West 4th St.

M. A. Ernst, Boginillas

Joseph Sitter, Boginillas

H. W. Ruvalds, Alpines

G. H. Reed, Carlsbad
Goat herder, on Mts.

R. H. Wright, Carlsbad

W. M. McEwan
Carlsbad

Albert D. Douglas
Galena

Ernst - V.K.
1335, Waller Place.

3313, R. 1st St.

Mrs. Chapman
1827, 2nd

1

\$28.85 Ernst

635 x 90 x 130, 8 pork

370 x 100 x 130, 8 pork

206 x 90 x 130, 8 pork

1220 x 200 x 130, 8 pork

1220 x 200 x 130, 8 pork

1220 x 200 x 130, 8 pork

1220 x 200 x 130, 8 pork

1220 x 200 x 130, 8 pork

1220 x 200 x 130, 8 pork

1220 x 200 x 130, 8 pork

1220 x 200 x 130, 8 pork

1416 - 7

Howell - 3655 - 13th

